



Nick Crosse  
Industrial Technology  
Johnston High School  
Des Moines Public Works

## Part I: General Overview of Business

Des Moines Public Works - Solid Waste department provides services to City residents including the pickup of garbage, recycling, yard waste, and large items. DMPW serves to enhance city beautification through community programs and events.

## Part II: Job Specifics

- The Administrator oversees solid waste, street cleaning, the customer service call center and community clean-up programs
- The Administrator is required to plan and maintain a budget, manage the daily operations of his department and employees, and plan for future changes in the solid waste industry.

## Part III: Introduce the Problem

- The Solid Waste Administrator is tasked with developing a solution to deal with the city's yard waste.
- The city collects 10,000 tons of yard waste per year (grass, leaves, branches)
- There are many methods available to them, they need to find one that satisfies economical and environmental constraints

## Part IV: Background

- Historical context of previous practices
- Annual reports of tonnage, fleet, and routing information
- Current Practices and possible processes that exist including their sustainability and level of environmental friendliness

## Part V: Business Solution

- A solution was not developed by the externship deadline
- The Metro Waste Authority (MWA) board decided to table the issue of commingling trash and yard waste for a number of 3 years
- MWA is decommissioning the Des Moines Yard Waste collection site

## Part VI: Student Solutions

- Students should develop solutions that encompass greenhouse gas emission capture; explore new, green technologies; provide evidence of research on ordinances and current issues